

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Ramsey Zacharia Examiner #: 76138 Date: 7/30/03
Art Unit: 1773 Phone Number 305-0503 Serial Number: 10/028,198
Mail Box and Bldg/Room Location: CP3 11A01 Results Format Preferred (circle): RAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Dielectric Thin Films from Fluorinated Precursors
Inventors (please provide full names): Chung J. Lee

Earliest Priority Filing Date: 12/20/2001

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

A dielectric film prepared by polymerizing an ethylenic precursor with ~~a~~ benzocyclobutane containing precursor, (IIa'):

BEST AVAILABLE COPY

(nothing out there very close structurally)

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>FAJ</u>	NA Sequence (#) _____	STN	<u>\$218.06</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog	_____
Searcher Location: _____	Structure (#) <u>2</u>	Questel/Orbit	_____
Date Searcher Picked Up: _____	Bibliographic <u>Card</u>	Dr. Link	_____
Date Completed: <u>8-5-03</u>	Litigation _____	Lexis/Nexis	_____
Searcher Prep & Review Time: <u>5</u>	Fulltext _____	Sequence Systems	_____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet	_____
Online Time: <u>60</u>	Other _____	Other (specify)	_____

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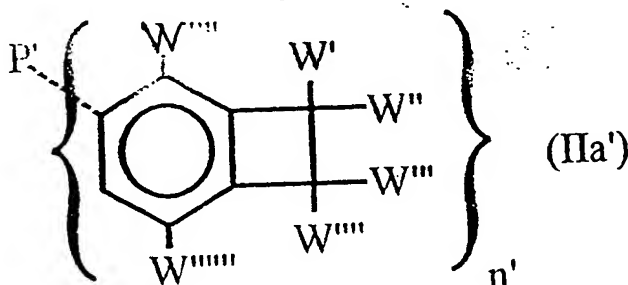
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A dielectric film prepared by polymerizing an ethylenic precursor with ~~the~~ benzocyclobutane containing precursor, (IIa'):



wherein, W is hydrogen, fluorine or a fluorinated phenyl;

P' is an aromatic-moiety with a general structure of $-C_6H_{4-n}F_n-$ ($n = 0$ to 4); $-C_6H_{4-n}F_n-CF_2-C_6H_{4-n}F_n-$ ($n = 0$ to 8); $-C_{10}H_{6-n}F_n-$ ($n = 0$ to 6), or $-C_{12}H_{8-n}F_n-$ ($n = 0$ to 8); and

n' is an integer of at least 2, but is less than total sp^2C substitutions on the P' aromatic-moiety;